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FIGURE 1

Analysis of Patient Sera with Latex Agglutination Assay ELSIA

Group	Number of serum samples	Number positive by latex agglutination assay	Number positive by ELISA
MMN	8	6	5
CIDP	10	0	0
ALS	6	0	0
Anti-MAG Neuropathy	4	0	0
MFS	1	0	0
Normal	5	0	0

# FIGURE 2

Comparison of ELSIA and LATEX Agglutination Assay in Detection of Anti--GM1 Antibodies in Sera of Patients with MMN

Patient No.	Anti-GM1 IgM Titer (ELISA) <sup>1</sup>	Latex Agglutination Assay <sup>2</sup>
1	100,000	3
2	3,200	3
3	50,000	3
4	<800	Negative
5	800	1
6	1,600	2
7	<800	Negative
8	6,400	3

<sup>1</sup>Titer for each specimen was assigned as the highest dilution in which the absorbance reading was 0.1 units greater than in the corresponding BSA coated wells.

<sup>2</sup>Results were scored from 1 to 3 according to the degree of agglutination.

# FIGURE 3

Latex Agglutination Assay in Detection of Anti-GM1 Antibodies in Sera of Patients with MMN.  
Using Latex Particles Coated with Different Ratios of GM1 to GD 1a

Patient No.	Anti-GM1 IgM Titer (ELISA) <sup>1</sup>	Latex Agglutination Assay <sup>2</sup>						
		A	B	C	D	E	F	G
1	100,000	3	2	2	2	1	Neg.	Neg.
3	50,000	3	2	1	Neg.	Neg.	Neg.	Neg.
6	1,600	2	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
8	6,400	3	1	Neg.	Neg.	Neg.	Neg.	Neg.

<sup>1</sup>Titer for each specimen was assigned as the highest dilution in which the absorbance reading was 0.1 units greater than in the corresponding BSA coated wells.

<sup>2</sup>A: 100% GM1, 0% GD1a; B: 50% GM1, 50% GD1a; C: 12% GM1, 88% GD1a; D: 6% GM1, 94% GD1a; E: 1.5% GM1, 98.5% GD1a; F: 0.75% GM1, 99.25% GD1a; G: 0% GM1, 100% GD1a.

# FIGURE4

Analysis of patient sera with ELSIA and latex agglutination assay

Group	Number of Specimens	Number positive by ELISA	Number positive by agglutination assay
MMN	12	8	8
CIDP	10	0	0
ALS	6	0	0
Anti-MAG Neuropathy	4	0	0
GBS	13	4	7
Normal	10	0	0

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# FIGURE 5

Comparison of ELISA and latex agglutination assay for antiganglioside antibody-positive sera.

Patient No.	Group	ELISA Antiganglioside Antibody Titer <sup>a</sup>		Agglutination Assay <sup>b</sup>
		GM1	GQ1b	
1	MMN	102,400	-	3
2	MMN	3,200	-	2
3	MMN	51,200	-	2
7	MMN	1,600	-	2
9	MMN	6,400	-	1
10	MMN	12,800	-	2
11	MMN	3,200	-	1
12	MMN	25,600	-	2
30	GBS	-	-	2
31	GBS	-	-	1
33	GBS	6,400	-	3
37	GBS	-	-	2
39	GBS	25,600	-	3
40	GBS(MFS variant)	-	400	2
41	GBS(MFS variant)	-	100	2

<sup>a</sup> Titer for each specimen was assigned as the highest dilution in which the absorbance reading was 0.1 units greater than in the corresponding control wells.

<sup>b</sup> Results were scored from 1 to 3 according to the degree of agglutination.